

A B S T R A C T

A METHOD AND DEVICE FOR CONTROLLING DISPLACEMENTS OF THE
MOVABLE PART OF A MULTI-AXIS ROBOT

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The inventive method consists in supplying motion
instructions (300) at least including information about
the path geometry (320) and load instructions (310) to a
path generator (400), calculating an allied load signal
10 (800), transmitting said applied load signal (800) to the
path generator (400), calculating motion instructions
(500) along the path in such a way that the deviation
between the projection of the applied load on a tangent
to said path and the projection of the instruction on
15 said tangent is minimized and in transmitting said motion
instructions (500) to means for actuating a robot (600).
A device comprising means (200, 400, 700) for carrying
out said control is also disclosed.

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48.3.